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**(54) Title:** SUPPORTED OLEFIN POLYMERIZATION CATALYST

**(57) Abstract:** A supported catalyst system comprises (a) a dehydrated support material, (b) a transition metal compound, and (c) an activator and is characterised in that the support material has been pretreated with at least two different organoaluminum compounds prior to contact with either or both the transition metal compound or the activator. The preferred transition metal compound is a metallocene and the supported catalyst systems are suitable for the preparation of polymers having broad molecular weight distributions and improved melt strength.

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